



			Bill of Material		ANNA-B412-00B-00_BOM_REV03.xls	Last Rev.:	21.02.2022	yach,hisa				
			Corresponding Schematic:		ANNA-B4-00B-00 SCH REV02.pdf	Review Report:						
			Part 1 / 2:		Detailed Bill of Material							
Article Number			Description									
ANNA-B412			ANNA-B412-00B-00 BOM									
Line	Ref-Des	u-blox Code	Description	Manufacturer	Part number	Release Status	Remarks	X Pos	Y Pos	Angle	Side	
Regular Components												
1	C1		DO NOT INSTALL									
2	C2	UBXH01-0000319	CAP CER X6S 0201 1U0 20% 10V -55/+105C	Murata Manufacturing Company, Ltd.	GRM033C81A105ME05	Released		1566,00	-2816,00	0,00	TOP	
3	C3	UBXH01-0000469	CAP CER COG 0201 820P 5% 25V -55/+125C	Murata Manufacturing Company, Ltd.	GRM0335C1E821JA01	Released		1050,00	1100,00	180,00	TOP	
4	C4	UBXH01-0000396	CAP CER X6S 0201 100N 10% 6.3V -55/+105C	Taiyo Yuden Company, Ltd.	JMK063C6104KP-F	Released		2600,00	575,00	180,00	TOP	
5	C5	UBXH01-0000320	CAP CER X6S 0402 4U7 20% 6.3V -55/+105C	Murata Manufacturing Company, Ltd.	GRM155C80J475MEAA	Released		-615,00	-2748,00	180,00	TOP	
6	C6	UBXH01-0000228	CAP CER COG 0201 22P 5% 50V -55/+125C	Murata Manufacturing Company, Ltd.	GRM0335C1H220JA01	Released		1050,00	2025,00	0,00	TOP	
7	C8	UBXH01-0000396	CAP CER X6S 0201 100N 10% 6.3V -55/+105C	Taiyo Yuden Company, Ltd.	JMK063C6104KP-F	Released		-1725,00	0,00	270,00	TOP	
8	C9	UBXH01-0000228	CAP CER COG 0201 22P 5% 50V -55/+125C	Murata Manufacturing Company, Ltd.	GRM0335C1H220JA01	Released		2600,00	1025,00	0,00	TOP	
9	C10	UBXH01-0000320	CAP CER X6S 0402 4U7 20% 6.3V -55/+105C	Murata Manufacturing Company, Ltd.	GRM155C80J475MEAA	Released		-2250,00	-2750,00	0,00	TOP	
10	C12	UBXH01-0000396	CAP CER X6S 0201 100N 10% 6.3V -55/+105C	Taiyo Yuden Company, Ltd.	JMK063C6104KP-F	Released		667,00	-2817,00	180,00	TOP	
11	C14	UBXH01-0000320	CAP CER X6S 0402 4U7 20% 6.3V -55/+105C	Murata Manufacturing Company, Ltd.	GRM155C80J475MEAA	Released		-2250,00	-2020,00	0,00	TOP	
12	C15	UBXH01-0000552	CAP CER COG 0201 0P7 +/-0.05P 25V -55/+125C	Murata Manufacturing Company, Ltd.	GRM0335C1E70WA01	Released		-1725,00	1000,00	270,00	TOP	
13	C16	UBXH01-0000319	CAP CER X6S 0201 1U0 20% 10V -55/+105C	Murata Manufacturing Company, Ltd.	GRM033C81A105ME05	Released		2600,00	-355,00	180,00	TOP	
14	C17	UBXH01-0000468	CAP CER X6S 0201 47N 10% 6.3V -55/+105C	Murata Manufacturing Company, Ltd.	GRM033C80J473KE19	Released		2600,00	-835,00	180,00	TOP	
15	C18	UBXH01-0000319	CAP CER X6S 0201 1U0 20% 10V -55/+105C	Murata Manufacturing Company, Ltd.	GRM033C81A105ME05	Released		-2650,00	-990,00	0,00	TOP	
16	C19	UBXH01-0000319	CAP CER X6S 0201 1U0 20% 10V -55/+105C	Murata Manufacturing Company, Ltd.	GRM033C81A105ME05	Released		-2650,00	-520,00	0,00	TOP	
17	C20	UBXH01-0000503	CAP CER COG 0201 3P9 +/-0.1P 25V -55/+125C	Murata Manufacturing Company, Ltd.	GRM0335C1E3R9BA01	Released		-2650,00	-1450,00	180,00	TOP	
18	C21	UBXH01-0000551	CAP CER COG 0201 8P +/-0.25P 25V -55/+125C	Murata Manufacturing Company, Ltd.	GRM0335C1E8R0CA01	Released		-2650,00	825,00	180,00	TOP	
19	C22		DO NOT INSTALL									
20	C23	UBXH01-0000396	CAP CER X6S 0201 100N 10% 6.3V -55/+105C	Taiyo Yuden Company, Ltd.	JMK063C6104KP-F	Released		-1725,00	-1075,00	90,00	TOP	
21	E1	UBXH02-0000027	ACX AT1608 BLUETOOTH ANTENNA 2.45GHZ -40/+125C	Advanced Crenic X (ACX)	AT1608-A2R4NAA	Not Released		-1955,00	2600,00	0,00	TOP	
22	L1	UBXH09-0000331	IND TAIYOYUDEN BRL1608 10U 20% 0.22A -40/+105C	Taiyo Yuden Company, Ltd.	LSQP8160807T100M	Released		2615,00	-2178,00	270,00	TOP	
23	L2	UBXH09-0000240	IND MURATA LQP03T_02 0201 3N9 +/-0.1N 0.4A -55/+125C	Murata Manufacturing Company, Ltd.	LQP03TN3N9B02	Released		-500,00	1245,00	0,00	TOP	
24	L3	UBXH09-0000043	IND MURATA LQP03T_02 0201 15N 5% 0.25A	Murata Manufacturing Company, Ltd.	LQP03TN15NJ02	Released		2600,00	125,00	0,00	TOP	
25	L4	UBXH09-0000084	IND MURATA LQP03T_02 0201 4N3 3% 0.35A	Murata Manufacturing Company, Ltd.	LQP03TN4N3H02	Released		-2650,00	-75,00	0,00	TOP	
26	L5	UBXH09-0000217	IND MURATA LQP03T_02 0201 1N3 +/-0.1N 0.6A -55/+125C	Murata Manufacturing Company, Ltd.	LQP03TN1N3B02	Released		-2650,00	375,00	180,00	TOP	
27	U1	UBXH12-0000457	BTS11802 15.4 SOC NORDIC NRF52833 2.4GHZ WLCP SECURITV REV	Nordic	NRF52833-CJAA-B	Not Released		200,00	-750,00	270,00	TOP	
28	X1	UBXH21-0000169	CRYSTAL CL=12PF TAISAW 1.6x1.2 32MHZ 20PPM -40/+105C	Tai-saw Technology Co., Ltd.	TZ3124CIW-B4017	Released		2350,00	2200,00	270,00	TOP	
Additional Components												
29			Substrate	ASE								
30			Molding compound	ASE								
31			Metal Lid	ASE								
32			Solder Paste	ASE								
Total:		30										